

CUMMINS KTA38-DM1

> (880-969 kW) @ 1500-1800 RPM

- > Unit injector
- > Low noise and vibrations



Cummins Auxiliary Engine

KTA38 has 12 cylinders (V12) with unit injectors that give good fuel economy and low emissions. The air intake is turbocharged. Dry exhaust manifold with water shielding. High torque gives good response when maneuvering and low rpm reduces noise and vibration levels. 24-volt electrical system with Nogva Motor Computer monitoring system. The K-Series has been on the market for over 25 years and has shown that it is reliable and durable in tough marine environments.

Standard version configured for keel cooling.

Rated power and fuel consumption				
<u>RPM / Hz</u>	1500 / 50		1800 / 60	
Generator effect	880 kW		969 kW	
Fuel Consumption 100%	216,7 L/h	209 g/kWh	243,2 L/h	213 g/kWh
Fuel Consumption 75%	167,5 L/h	216 g/kWh	188,9 L/h	221 g/kWh
Fuel Consumption 50%	119,3 L/h	231 g/kWh	136,1 L/h	239 g/kWh
Fuel Consumption 25%	69,2 L/h	267 g/kWh	81,9 L/h	287 g/kWh
Emission rating	IMO Tier 2		IMO Tier 2	

Standard equipment

- > Nogva Motor Computer V2-G
- > Electronic regulation
- > Double wall fuel pipe
- > 2-pole electrical system
- > Exhaust compensator
- > Silencer
- > Bilge pump for lub.oil
- > Engine brackets
- > Water cooled manifold
- > Vibration isolators
- > Base frame in steel
- > Heat elements in generator
- > With droop transformer for parallel operation

Optional equipment

- > Box cooler
- > Plate heat exchanger
- > Radiator cooling
- > Engine heater

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General Data		Exhaust System		
Model	QSK38-DM1	RPM / Power	1500 / 880 kW	1800 / 969 kW
Rating type	Prime power	Exhaust temperature	537 °C	475 °C
Number of cylinders	V-12	Exhaust flow	163,2m ³ /min	195,4m ³ /min
Engine type	V12, 4-cycle	Air System		
Fuel system	Unit injector	Intake air flow	994 l/sec	1302 l/sec
Displacement	38 L	Heat rejection to ambient	131 kW 7480 BTU/min	112 kW 6350 BTU/min
Aspiration	Turbocharged	Intake manifold pressure	22,1 kPa	26,1 kPa
Bore and stroke	159 x 159 mm	Fuel System		
Compression ratio	15:1	Fuel flow to pump	405 l/h	442,9 l/h
Weight, dry	4301 kg	Fuel flow return to tank	188,4 l/h	199,7 l/h
Oil capacity	114 L	Average fuel consumption	115,2 l/h	132,2 l/h
Rated engine torque (50Hz)	5602 Nm	Average Noise Level		
Rated engine torque (60Hz)	5143 Nm	Idle	-- dBA @ 1m	-- dBA @ 1m
		Rated	-- dBA @ 1m	-- dBA @ 1m

Dimensions with Stamford PM734

